## ABSTRACT

A method for forming, without heat evolution, an organic thin film with homogeneous quality on the surface of the substrate.

The method consists of vaporizing a single filmforming component of organic material, thereby evolving a
film-forming gas (g2), transporting and feeding the filmforming gas (g2) into a reaction chamber (11) in which a
substrate (W) is placed, and depositing the organic
material, while keeping the film-forming component, on
the surface of the substrate (W) in the reaction chamber
(11). The substrate (W) is kept cooled while the organic
material is being deposited. The film-forming gas (g2) is
transported and fed into the reaction chamber (11) by
using a carrier gas, such as an inert gas (g1). The
deposition of the organic material is repeated so that
films differing in composition are formed one over
another.